

# **Protocol for Setting Targets, Planning BMPs and Reporting Progress for Federal Facilities and Lands**

**Sarah Diebel**

**DoD Chesapeake Bay Program Coordinator**

**Federal Facilities Workgroup Co-Chair**

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# Federal Facility Targets BLUF

- Federal Facilities Targets Action Team (FFTAT)
  - Formed after 2012/2013 2-YWQM evaluation
  - Improve BMP progress reporting
  - Use federal targets to quantify expected load reductions
- FFTAT Chaired by VA and EPA
  - Jurisdictions: VA, MD, DC and PA
  - Federal Agencies: DoD, USACE, DHS, GSA, NPS, USDA, EPA
- FFTAT agreed to develop Protocol for setting targets, planning BMPs and reporting progress
  - Process document for setting federal targets / outlines methodologies to develop loads and pollutant reductions
  - VA, MD developed methods / EPA developed default method for PA, DC, NY, DE

# Bay Jurisdiction Responsibilities

1. Identify the federal facilities for which targets will be set
2. Set numeric targets following the Protocol for 2025 Bay TMDL target goal and the 2017 interim goal
3. Communicate targets to federal agencies
4. Provide a reporting format to federal facilities
5. Report BMPs implemented on federal facilities using the National Environmental Information Exchange Network (NEIEN) as part of annual progress reporting
6. Develop 2016-2017 milestones that include the federal plans and submit to EPA

# Federal Agency Responsibilities

- Submit comprehensive list of properties
- Submit updated land use
  - VA setting targets for agriculture and urban land use classes
  - MD setting targets based on 20% retrofit of any untreated impervious acreage
  - EPA setting targets for DC/PA/WV/NY/DE for major land use classes (i.e. urban / agriculture)
- Submit historical BMPs
- Submit planned implementation for 16/17 two-year water quality milestones

# Options for Specifying Targets for Federal Facilities

1. A per acre percent reduction from the baseline. For example, 45% per acre reduction in pounds of nitrogen.
2. Total pounds per acre required to be reduced from the baseline. For example, the target may be set at 10 pounds of nitrogen required to be reduced per acre, calculated from a baseline load of 220 pounds of nitrogen per acre and a 2025 target of 210 pounds per acre (220 minus 210 equals 10 pounds/acre).
3. Total allowable load in terms of pounds of nitrogen, phosphorus, and sediment per acre. For example, 210 pounds of nitrogen per acre.

# Federal Agencies Participation in Chesapeake Bay TMDL and WIPs

## Identify Facilities and Land Uses

*Phase 5*

- Spreadsheets
- BayFAST

*Phase 6*

- Facility Editor Tool

## Set Targets

- Jurisdictions (or EPA) and Federal Agencies will use the Federal Targets Protocol

## Indicate BMPs, Estimate Current Loads and Plan New BMPs

- BayFAST or other agency tools
- 502 Guidance

## Progress and Accountability

*Phase 5*

- BayFAST

*Phase 6*

- Watershed Model

## Track and Report BMPs

- Spreadsheet templates to the Jurisdictions
- Jurisdictions report through NEIEN

## Implement BMPs

- 502 Guidance
- Chesapeake Bay Basinwide BMP Verification Framework

# Federal Facility Target Assurances

1. Equitability: Same level of effort as non-federal entities
2. Compliance takes priority: Compliance with existing permits first and non-regulatory load reductions to the maximum extent practicable
3. Full Participation: Ensure all federal agencies and facilities are included
4. Consistency: Targets consistent with Phase II WIP Strategies and NPDES permits
5. Flexibility with modeling tools and data submittal schedule

# Future Improvements

- Phase III WIPs
- BayFAST and the Phase 6 Watershed Model
- Available load estimates and updated land uses to assess progress
- Increase the capacity for federal agency planning, reporting, and assessment of progress
- Revisions to federal facility loading targets for 2025 and the supporting methodology due to Phase III WIPs development process, new data incorporated into the Phase 6 Watershed Model, and other aspects of the Bay TMDL midpoint assessment



# Federal Participation – 2015 Key Dates

## April

- Federal land use categories and federal agency grouping for annual Progress
- Outline / draft for reduction target method summaries
- CBP work with Bay Jurisdictions to compile details of reduction target methods

## May

- Jurisdiction target methods summary final
- Federal agencies report land use data to jurisdictions

## June

- Draft facility-specific numeric targets for 2025 goal and 16/17 milestones
- Draft historic BMP data due from agencies to jurisdictions
- Water Quality GIT , Management Board, and Federal Leadership Committee

## July

- Final numeric reduction targets calculated for priority facilities
- Federal facilities GIS data layer added to BayFAST

## August

- Jurisdiction targets approaches added to BayFAST
- Federal agencies submit Final historic BMP data

## September

- Jurisdictions submit final historic BMP data

## October

- Fed agencies report 2015 progress BMPs to jurisdictions (if not included in historic data)

## November

- Two-year milestone spreadsheets due from federal agencies to jurisdictions